

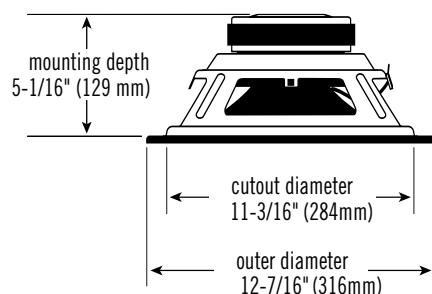


Reference 1240w 12" Woofer – Technical Data

SPECIFICATIONS

DIAMETER:	12" (300 MM)
SENSITIVITY (2.83 V @ 1 M):	93 dB
POWER HANDLING:	300 W _{RMS} 1200 W _{PEAK}
FREQUENCY RESPONSE:	23 ~ 400 Hz
NOMINAL IMPEDANCE:	4 OHMS
VOICE-COIL DIAMETER:	2.0" (51.0 MM)

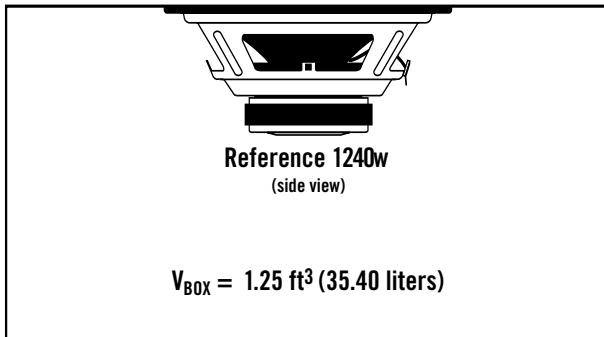
DIMENSIONS:



THIELE-SMALL PARAMETERS

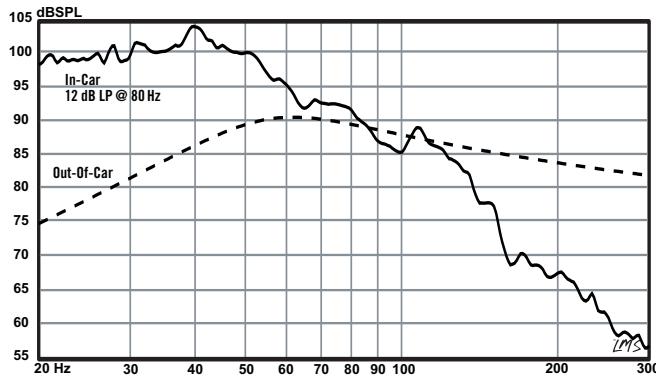
VOICE COIL DC RESISTANCE:	R _{EVC} (OHMS)	3.40
VOICE COIL INDUCTANCE @ 1 kHz:	L _{EVC} (MH)	2.54
DRIVER RADIATING AREA:	S _D (IN ²)	82.46
	S _D (M ²)	532.00
MOTOR FORCE FACTOR:	B _L (TM)	14.24
COMPLIANCE VOLUME:	V _{AS} (FT ³)	3.00
	V _{AS} (LITERS)	84.40
SUSPENSION COMPLIANCE:	C _{MS} (μM/N)	210.00
MOVING MASS, AIR LOAD:	M _{MS} (GRAMS)	187.60
MOVING MASS, DIAPHRAGM:	M _{MD} (GRAMS)	180.60
FREE-AIR RESONANCE:	F _S (Hz)	25.40
MECHANICAL Q:	Q _{MS}	7.62
ELECTRICAL Q:	Q _{ES}	0.50
TOTAL Q:	Q _{TS}	0.47
MAGNETIC-GAP HEIGHT:	H _{AG} (IN)	3/8
	H _{AG} (MM)	9.00
VOICE-COIL HEIGHT:	H _{VC} (IN)	1-1/4
	H _{VC} (MM)	32
MAXIMUM EXCURSION:	X _{MAX} (IN)	7/16
	X _{MAX} (MM)	11.50

SEALED BOX VOLUME (INCLUDES DRIVER DISPLACEMENT)

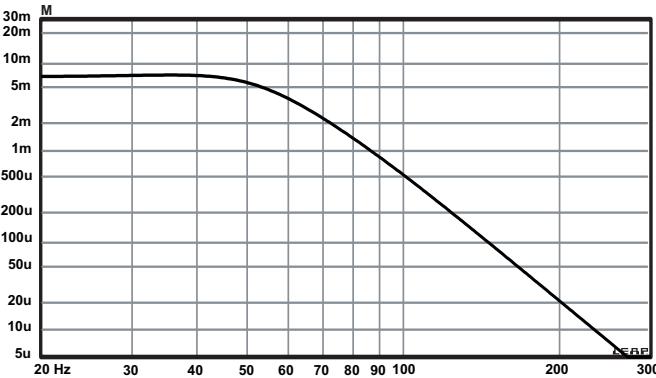


$$V_{\text{BOX}} = 1.25 \text{ ft}^3 (35.40 \text{ liters})$$

SEALED ENCLOSURE FREQUENCY RESPONSE @ 2.83 V

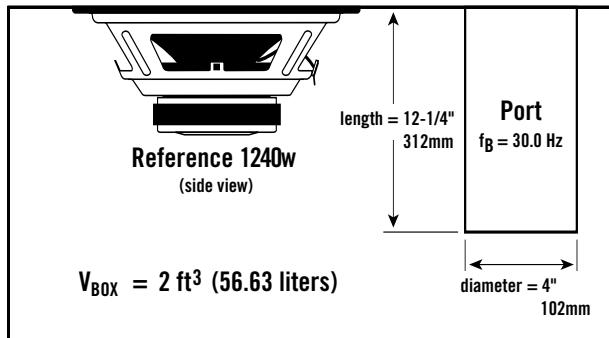


SEALED ENCLOSURE CONE EXCURSION @ 300 W

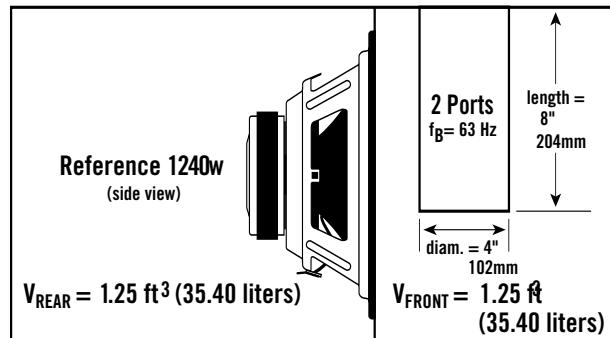


infinity Reference 1240w 12" Woofer – Technical Data

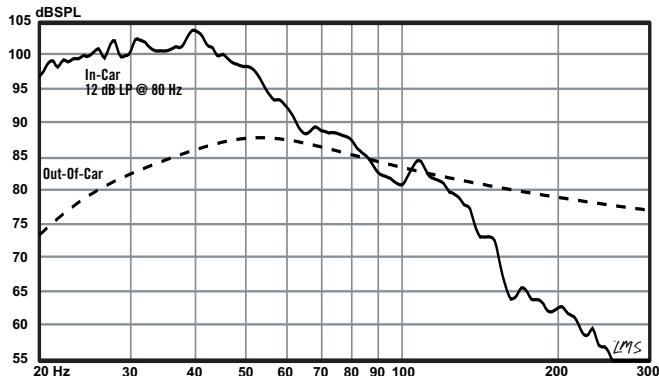
VENTED BOX VOLUME (INCLUDES DRIVER/PORT DISPLACEMENTS)



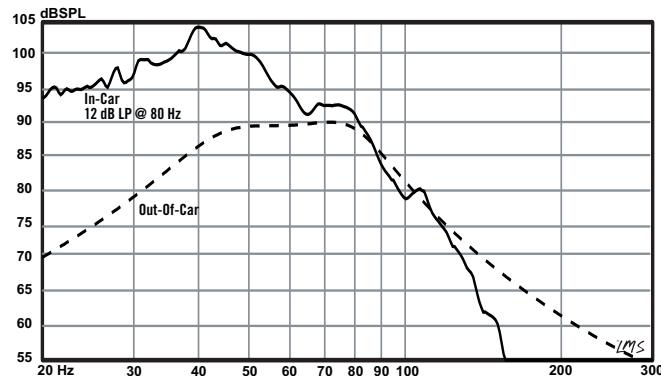
BANDPASS BOX VOLUME (INCLUDES DRIVER/PORT DISPLACEMENTS)



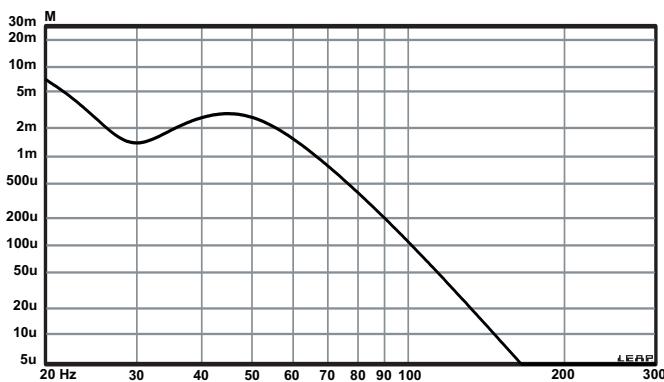
VENTED ENCLOSURE FREQUENCY RESPONSE @ 2.83 V



BANDPASS ENCLOSURE FREQUENCY RESPONSE @ 2.83 V



VENTED ENCLOSURE CONE EXCURSION @ 300 W



BANDPASS ENCLOSURE CONE EXCURSION @ 300 W

